

## 11/26/01

**Figure 1**

Figure 1 shows a series of horizontal bars representing different categories or groups. The bars are arranged vertically and vary in length, indicating relative values or proportions for each category.

Parameter	Value	Unit
Mean	1.0	
Standard deviation	0.5	
Minimum	0.0	
Maximum	2.0	
Range	2.0	
Skewness	0.0	
Kurtosis	0.0	
Mode	1.0	
Median	1.0	
Interquartile range	1.0	
90th percentile	1.5	
10th percentile	0.5	
5th percentile	0.0	
95th percentile	2.0	
99th percentile	2.0	
1st percentile	0.0	
25th percentile	0.5	
75th percentile	1.5	
Mean absolute deviation	0.5	
Geometric mean	1.0	
Harmonic mean	1.0	
Weighted mean	1.0	
Weighted standard deviation	0.5	
Weighted minimum	0.0	
Weighted maximum	2.0	
Weighted range	2.0	
Weighted skewness	0.0	
Weighted kurtosis	0.0	
Weighted mode	1.0	
Weighted median	1.0	
Weighted interquartile range	1.0	
Weighted 90th percentile	1.5	
Weighted 10th percentile	0.5	
Weighted 5th percentile	0.0	
Weighted 95th percentile	2.0	
Weighted 99th percentile	2.0	
Weighted 1st percentile	0.0	
Weighted 25th percentile	0.5	
Weighted 75th percentile	1.5	
Weighted mean absolute deviation	0.5	
Weighted geometric mean	1.0	
Weighted harmonic mean	1.0	
Weighted weighted mean	1.0	
Weighted weighted standard deviation	0.5	
Weighted weighted minimum	0.0	
Weighted weighted maximum	2.0	
Weighted weighted range	2.0	
Weighted weighted skewness	0.0	
Weighted weighted kurtosis	0.0	
Weighted weighted mode	1.0	
Weighted weighted median	1.0	
Weighted weighted interquartile range	1.0	
Weighted weighted 90th percentile	1.5	
Weighted weighted 10th percentile	0.5	
Weighted weighted 5th percentile	0.0	
Weighted weighted 95th percentile	2.0	
Weighted weighted 99th percentile	2.0	
Weighted weighted 1st percentile	0.0	
Weighted weighted 25th percentile	0.5	
Weighted weighted 75th percentile	1.5	
Weighted weighted mean absolute deviation	0.5	
Weighted weighted geometric mean	1.0	
Weighted weighted harmonic mean	1.0	
Weighted weighted weighted mean	1.0	
Weighted weighted weighted standard deviation	0.5	
Weighted weighted weighted minimum	0.0	
Weighted weighted weighted maximum	2.0	
Weighted weighted weighted range	2.0	
Weighted weighted weighted skewness	0.0	
Weighted weighted weighted kurtosis	0.0	
Weighted weighted weighted mode	1.0	
Weighted weighted weighted median	1.0	
Weighted weighted weighted interquartile range	1.0	
Weighted weighted weighted 90th percentile	1.5	
Weighted weighted weighted 10th percentile	0.5	
Weighted weighted weighted 5th percentile	0.0	
Weighted weighted weighted 95th percentile	2.0	
Weighted weighted weighted 99th percentile	2.0	
Weighted weighted weighted 1st percentile	0.0	
Weighted weighted weighted 25th percentile	0.5	
Weighted weighted weighted 75th percentile	1.5	
Weighted weighted weighted mean absolute deviation	0.5	
Weighted weighted weighted geometric mean	1.0	
Weighted weighted weighted harmonic mean	1.0	
Weighted weighted weighted weighted mean	1.0	
Weighted weighted weighted weighted standard deviation	0.5	
Weighted weighted weighted weighted minimum	0.0	
Weighted weighted weighted weighted maximum	2.0	
Weighted weighted weighted weighted range	2.0	
Weighted weighted weighted weighted skewness	0.0	
Weighted weighted weighted weighted kurtosis	0.0	
Weighted weighted weighted weighted mode	1.0	
Weighted weighted weighted weighted median	1.0	
Weighted weighted weighted weighted interquartile range	1.0	
Weighted weighted weighted weighted 90th percentile	1.5	
Weighted weighted weighted weighted 10th percentile	0.5	
Weighted weighted weighted weighted 5th percentile	0.0	
Weighted weighted weighted weighted 95th percentile	2.0	
Weighted weighted weighted weighted 99th percentile	2.0	
Weighted weighted weighted weighted 1st percentile	0.0	
Weighted weighted weighted weighted 25th percentile	0.5	
Weighted weighted weighted weighted 75th percentile	1.5	
Weighted weighted weighted weighted mean absolute deviation	0.5	
Weighted weighted weighted weighted geometric mean	1.0	
Weighted weighted weighted weighted harmonic mean	1.0	
Weighted weighted weighted weighted weighted mean	1.0	
Weighted weighted weighted weighted weighted standard deviation	0.5	
Weighted weighted weighted weighted weighted minimum	0.0	
Weighted weighted weighted weighted weighted maximum	2.0	
Weighted weighted weighted weighted weighted range	2.0	
Weighted weighted weighted weighted weighted skewness	0.0	
Weighted weighted weighted weighted weighted kurtosis	0.0	
Weighted weighted weighted weighted weighted mode	1.0	
Weighted weighted weighted weighted weighted median	1.0	
Weighted weighted weighted weighted weighted interquartile range	1.0	
Weighted weighted weighted weighted weighted 90th percentile	1.5	
Weighted weighted weighted weighted weighted 10th percentile	0.5	
Weighted weighted weighted weighted weighted 5th percentile	0.0	
Weighted weighted weighted weighted weighted 95th percentile	2.0	
Weighted weighted weighted weighted weighted 99th percentile	2.0	
Weighted weighted weighted weighted weighted 1st percentile	0.0	
Weighted weighted weighted weighted weighted 25th percentile	0.5	

```

1  # Import the modules
2  import pandas as pd
3  import numpy as np
4
5  # Create a DataFrame
6  data = pd.DataFrame({
7      'Category': ['A', 'B', 'C', 'A', 'B', 'C', 'A', 'B', 'C', 'A', 'B', 'C'],
8      'Value': [10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120],
9      'Date': ['2023-01-01', '2023-01-02', '2023-01-03', '2023-01-04', '2023-01-05', '2023-01-06', '2023-01-07', '2023-01-08', '2023-01-09', '2023-01-10', '2023-01-11', '2023-01-12']
10 })
11
12 # Group by Category and Date
13 grouped_data = data.groupby(['Category', 'Date'])
14
15 # Calculate the sum of values for each group
16 sum_values = grouped_data['Value'].sum()
17
18 # Print the results
19 print(sum_values)
20
21 # Create a new DataFrame with the sum values
22 new_data = pd.DataFrame({
23     'Category': sum_values.index.get_level_values(0),
24     'Date': sum_values.index.get_level_values(1),
25     'Sum': sum_values.values
26 })
27
28 # Print the new DataFrame
29 print(new_data)

```

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- ☐ Preliminary Amendment  
☐ Information Disclosure Statement, PTO-1449 and reference(s)  
☐ Other \_\_\_\_\_  
☐ Applicant requests early publication

The filing fee has been calculated as shown below:

LARGE ENTITY				SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE
BASIC FEE	***** ***** *****	***** ***** *****	***** ***** \$740.00 *****	or	**** **** \$370.00 ****
TOTAL CLAIMS	3 - 20 =	0	x18 =\$ 0.00	or	x 9 = \$ 0.00
INDEPENDENT	1 - 3 =	0	x84 =\$ 0.00	or	x 42 = \$ 0.00
MULTIPLE DEPENDENT CLAIM PRESENTED <u>no</u>			+280 = \$ 0.00	or	+140 = \$ 0.00
			TOTAL \$ 740.00		TOTAL \$ 0.00

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0808-0318P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

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